

Tullia Dymarz

Gibbs Assistant Professor, Department of Mathematics, Yale University

(773) 633-6084

tullia.dymarz@yale.edu

<http://www.math.yale.edu/~td252/>

Yale University, Mathematics Dept. PO Box 208283 New Haven, CT 06520-8283

RESEARCH INTERESTS

quasi-isometric rigidity, geometric group theory, solvable groups, quasiconformal analysis

EDUCATION

University of Chicago

Ph.D Mathematics (June 2007) Thesis Advisor: Benson Farb

M.A Mathematics (June 2003)

University of Alberta

BSc. Honors Mathematics (June 2001)

PUBLICATIONS

Bijjective quasi-isometries of amenable groups.

Geometric methods in group theory, 181-188, Contemp. Math., 372, Amer. Math. Soc., Providence, RI, (2005).

Large scale geometry of certain solvable groups

To Appear in GAFA (2009)

Bijjective equivalence is not equivalent to Quasi-isometric equivalence for finitely generated groups

Preprint (2009)

Rigidity with locally compact targets for solvable Baumslag Solitar groups.

In preparation (2009)

TALKS

University of Chicago, Geometry and Topology Seminar - May 2009

AMS sectional meeting, special session on Geometric Group Theory, San Francisco - May 2009

Yale University - Dynamics of Group Actions Seminar- March 2009

CMS Winter meeting, Ottawa - December 2008

McGill University - Lecture Series on Geometry of Solvable Lie Groups - December 2008

CUNY - Geometry Seminar - October 2008

AMS sectional meeting, special session on Geometric Group Theory, Middletown - October 2008

University of Utah - Mini Course on Coarse Differentiation- July 2008

Chico Topology Conference and 40th Cascade Topology Seminar - May 2008

University of California at Davis - May 2008

Singularities in Geometry and Topology NYU - March 2008

MSRI Postdoc seminar - November 2007

University of Illinois at Urbana-Champaign - February 2007

University of Michigan - November 2006

Université de Paris-Sud, France - May 2006
Ecole Polytechnique, Palaiseau, France - May 2006
Université de Lille I, France - June 2006
The Polish Academy of Science, Wroclaw, Poland - June 2006
Geometric group theory workshop, CRM, Montreal, Canada - July 2006
Wasatch Topology Conference, Park City - Aug 2006

CONFERENCES

August 2008 Indiana University - Summer school on quasiconformal analysis and boundaries of hyperbolic groups
October 2007 AIM - Workshop on dichotomy amenable/nonamenable in combinatorial group theory
June 2005 AIM - Workshop on boundaries in geometric group theory
May 2005 Program for Women in Mathematics, IAS, Princeton; Combinatorial and geometric group theory
Dec 2004 Montreal, Canada - Geometric and combinatorial group theory
June 2004 Grenoble, France - Summer School on non-positively curved geometries, discrete groups and rigidities

TEACHING EXPERIENCE

Gibbs Assistant Professor, Yale University. 2008-2009

Math 858 Topics in geometric group theory (Graduate)
Math 430 Algebraic Topology (Undergraduate)
Math 858 Techniques from quasi-isometric rigidity (Graduate)
Math 120 Calculus 3

Lecturer in Mathematics, University of Chicago. 2003-2007

Math 163 Honors Calculus
Math 195-196 Mathematical Methods for Social Sciences
Math 152-153 Calculus 2 and 3

Teaching Assistant, University of Chicago, Paris Center. Spring 2006

Harmonic Analysis on P-adic Fields
Intro to Basic Partial Differential Equations
Representation Theory of Finite and Compact Groups

College Fellow in Mathematics, University of Chicago. 2002-2003

Math 161-162-163 Honors Calculus. Mentor: Chris Connell

Mentor, University of Chicago

Research Experience for Undergraduates - Summer 2005
Directed Reading Program - Fall 2005, Spring 2005

AWARDS

Lawrence and Josephine Graves Prizes for Excellence in Undergraduate Teaching 2005
National Science and Engineering Research Council of Canada. PGS B 2003
National Science and Engineering Research Council of Canada. PGS A 2001

PERSONAL

Citizenship: Canadian, Polish

Address: 133 Bishop St. Apt 3 New Haven CT 06511

Languages: English, Polish, French

REFERENCES

Professor Benson Farb

University of Chicago

(773) 702-3444

farb@math.uchicago.edu

Professor Alex Eskin

University of Chicago

(773) 702-7380

eskin@math.uchicago.edu

Professor Shmuel Weinberger

University of Chicago

(773) 702-7349

shmuel@math.uchicago.edu

Professor David Fisher

Indiana University

(812) 855-6847

fisherdm@indiana.edu

Teaching Reference

Dr. Diane Herrmann

University of Chicago

(773) 702-7332

diane@math.uchicago.edu